

The **INTAK** C.V.A.S. (centralized voice alarm system) provides a highly secure, reliable public address and voice evacuation solution to any project.

The system is based on a central rack cubicle has, at its heart, a master card frame assembly. This card frame houses the plug in modules that monitor all aspects of the system including battery back up, power supplies, power amplifiers, loudspeaker circuits, fire microphones, and the complete “critical path”. In addition to the monitoring functions the card frame can be supplied with pre-recorded message store modules, and remote input interface modules.



The most commonly used modules are:

PSFM (Power Supply Facility Module), gives indication of health status of all rack fuses, and power supplies. This module also houses the fault sounder.

MSFM (Message Store Facility Module), houses three monitored pre-recorded messages.

AMFM (Amplifier monitor facility monitor), monitors up to five power amplifiers.

LSFM (Line Sense Facility Module), continuously monitors ten loudspeaker lines and gives indication of open or short circuit conditions.

The only adjustments on the modules being for volume setting, these are only trimmed at the commissioning visit, and should then never need altering during the life of the system.

PSFM Power supply monitor

The PSFM provides monitoring of all critical power supply voltages, and also houses the fault sounder, along with the “Accept” and “Reset” latch. L.E.D. Indicators along the front of the card include;

- System healthy
- Fuse healthy
- Charger healthy
- Mains healthy
- Supply healthy
- Main regulator healthy
- Battery Healthy
- System healthy

MSFM Message store facility module

As mentioned previously, the MSFM provides three separate pre-recoded message stores.

Each message store is fitted with its own dedicated power supply to minimize common mode failure. L.E.D. Indicators along the front of the card include;

- Message 1 running
- Message 1 fault
- Message 2 running
- Message 2 fault
- Message 3 running
- Message 3 fault
- Card healthy